

100

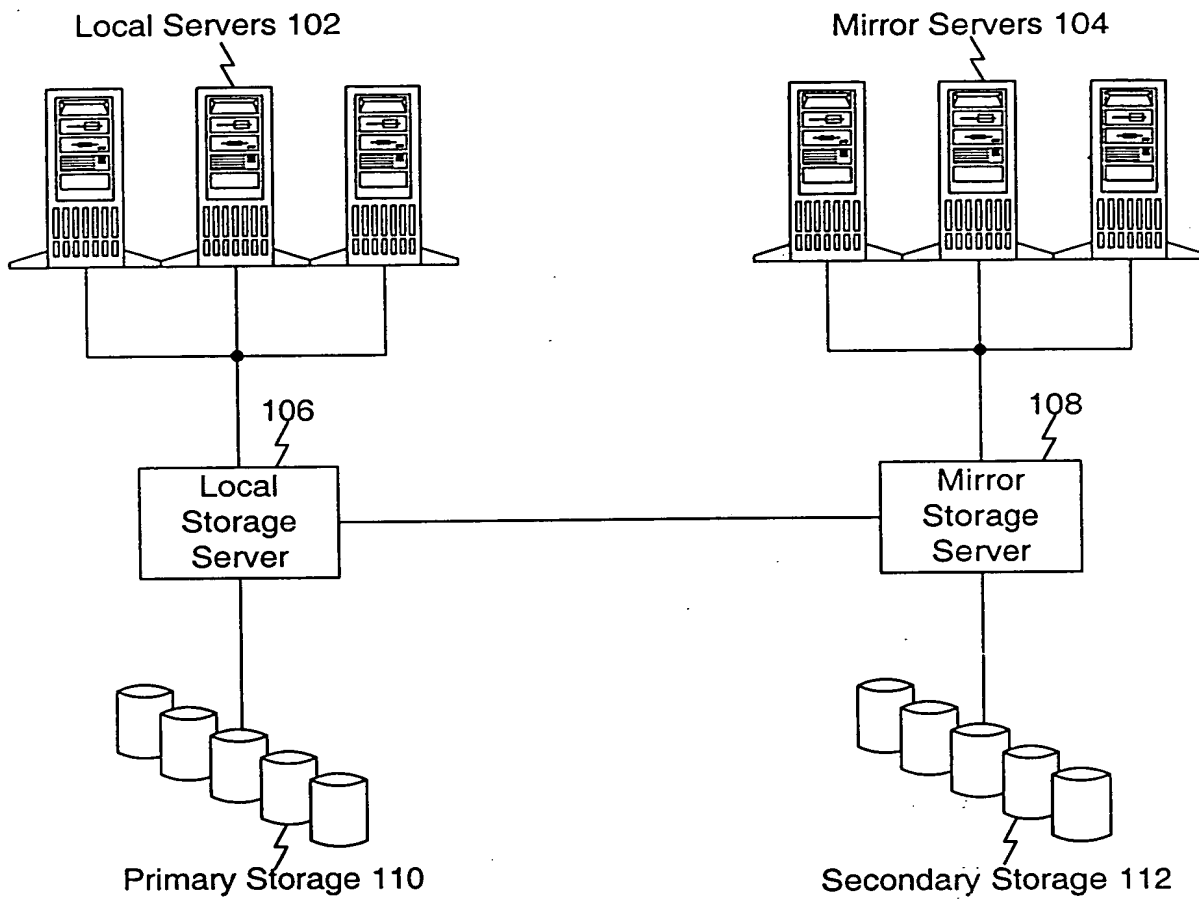


FIG. 1

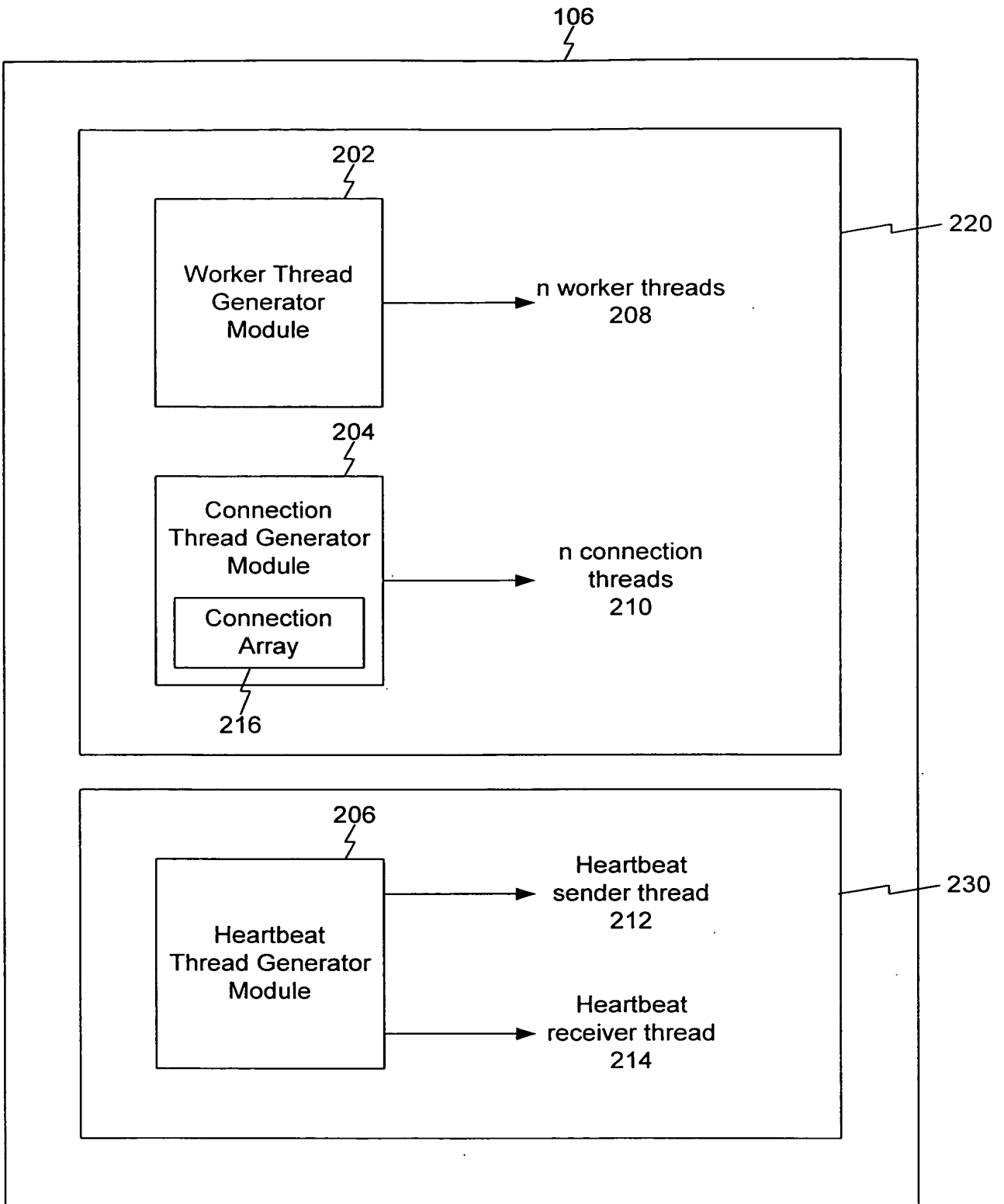


FIG. 2A

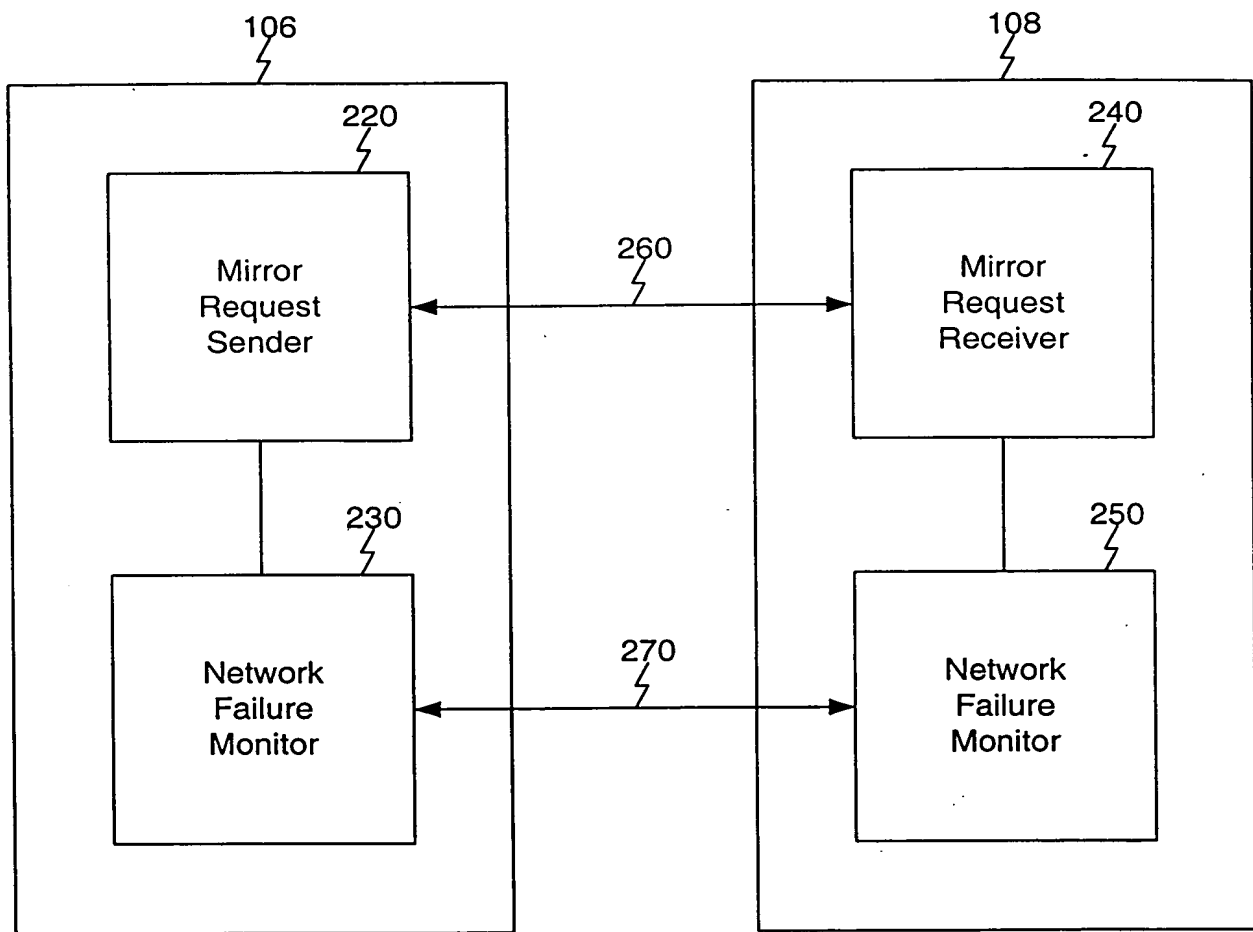


FIG. 2B

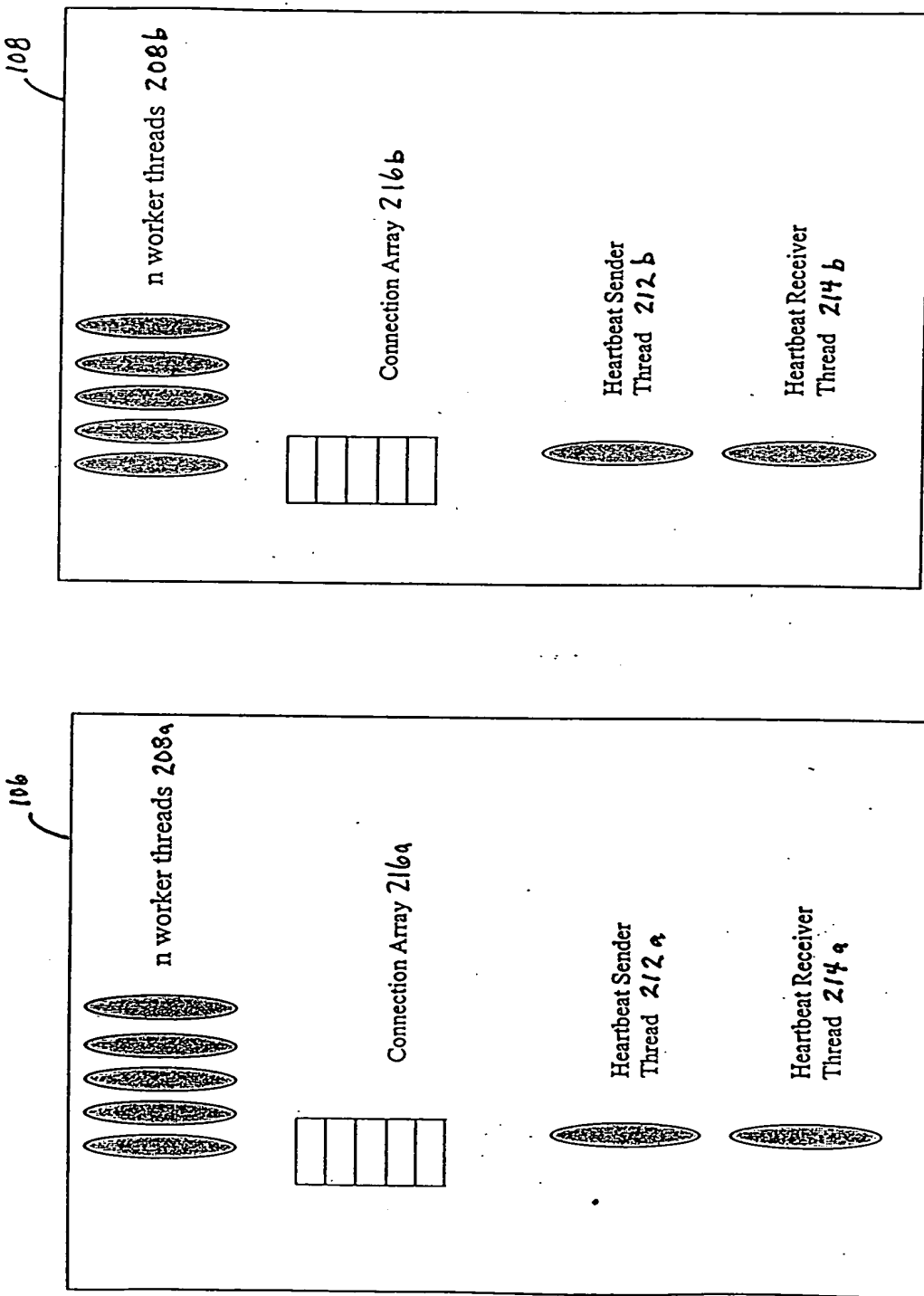


FIG. 3

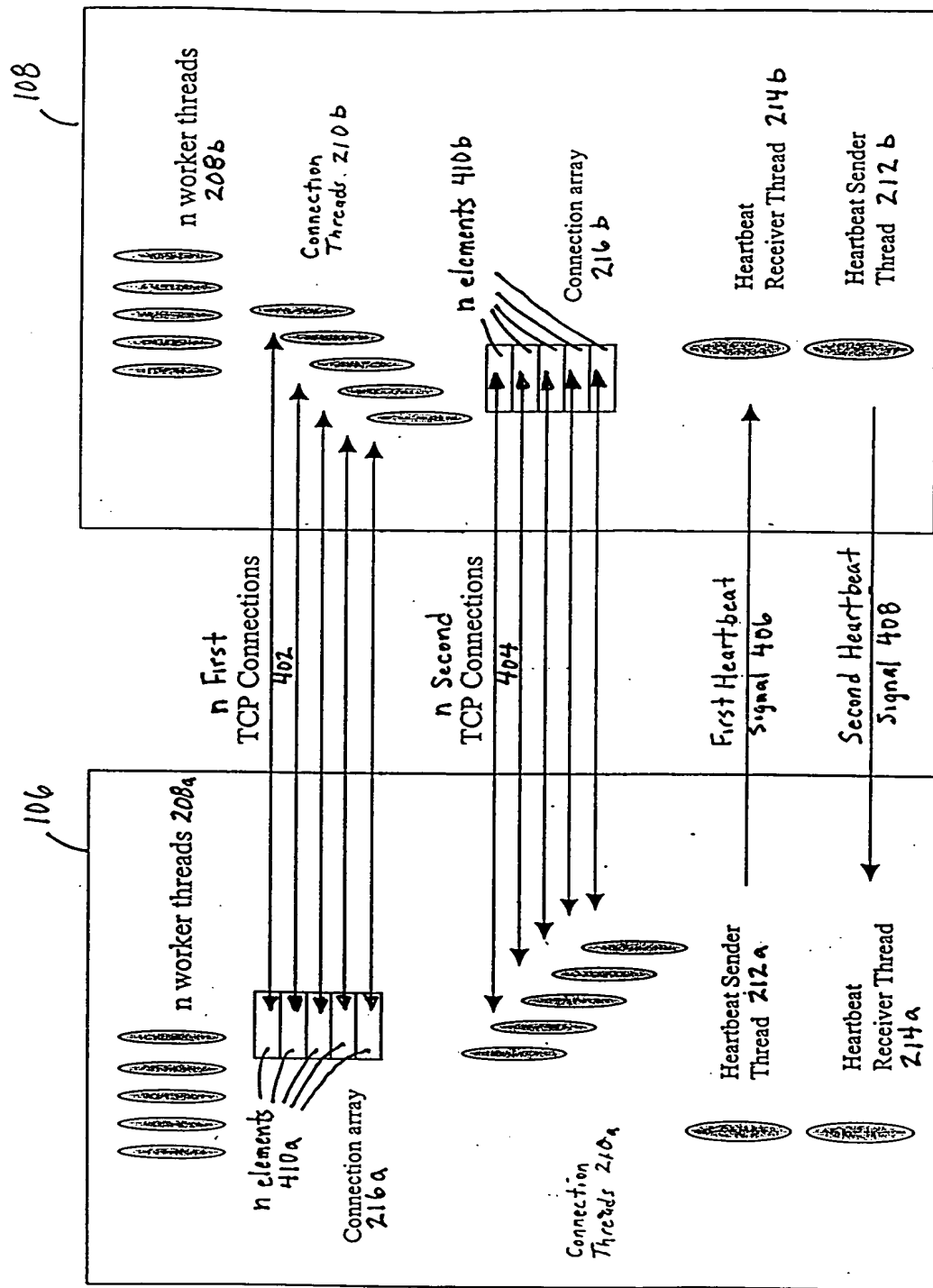


FIG. 4

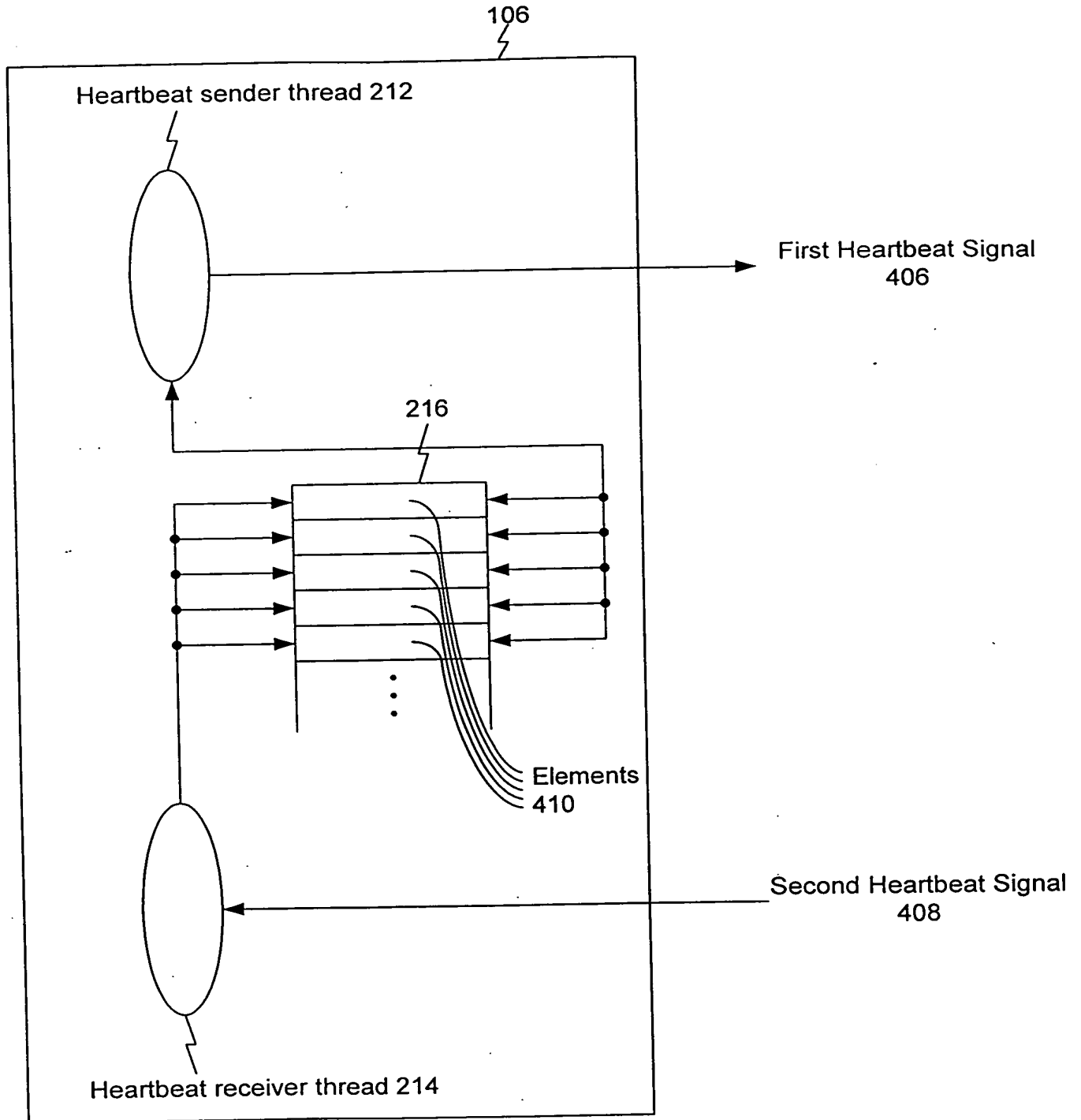


FIG. 5

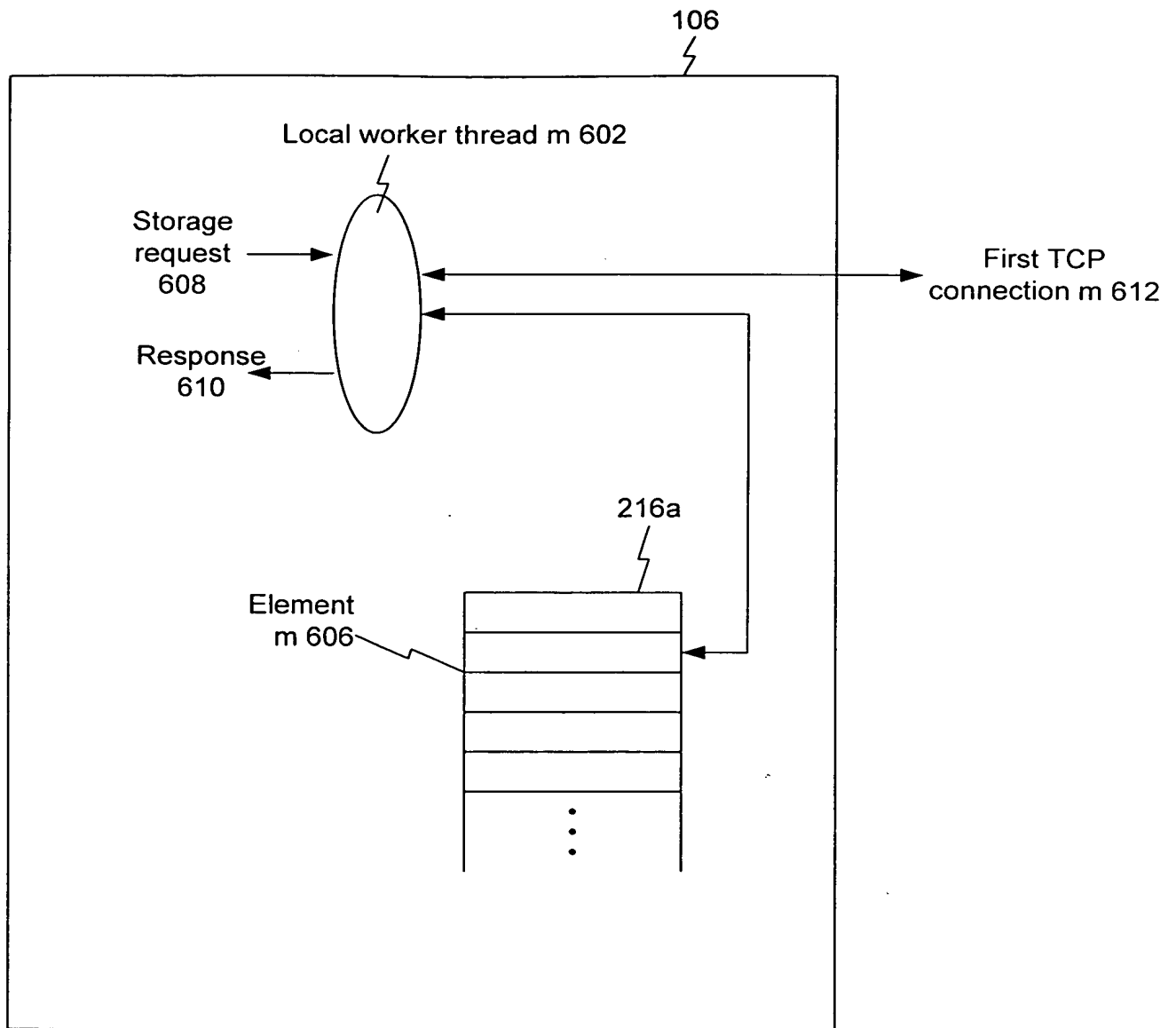


FIG. 6

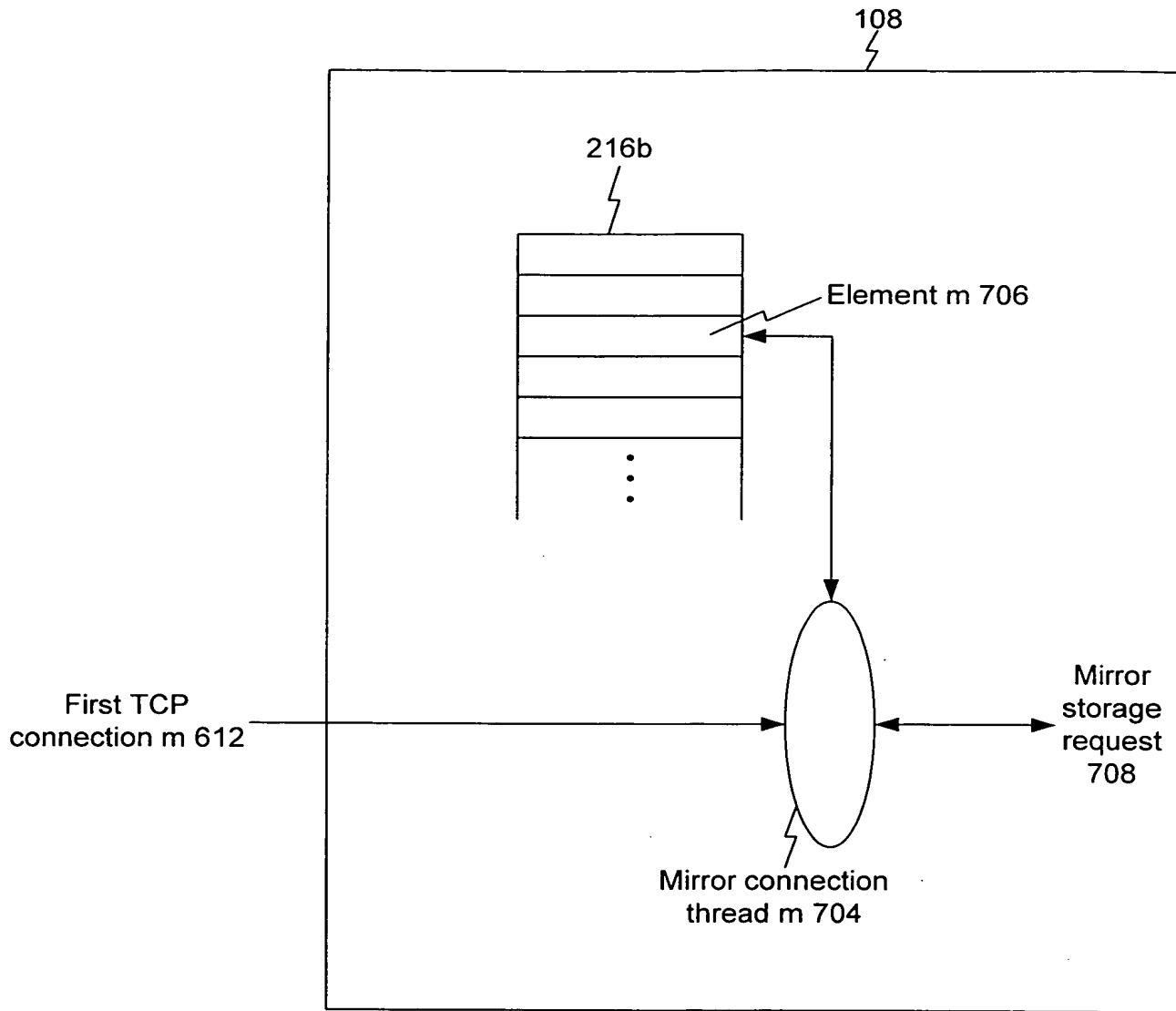


FIG. 7

800

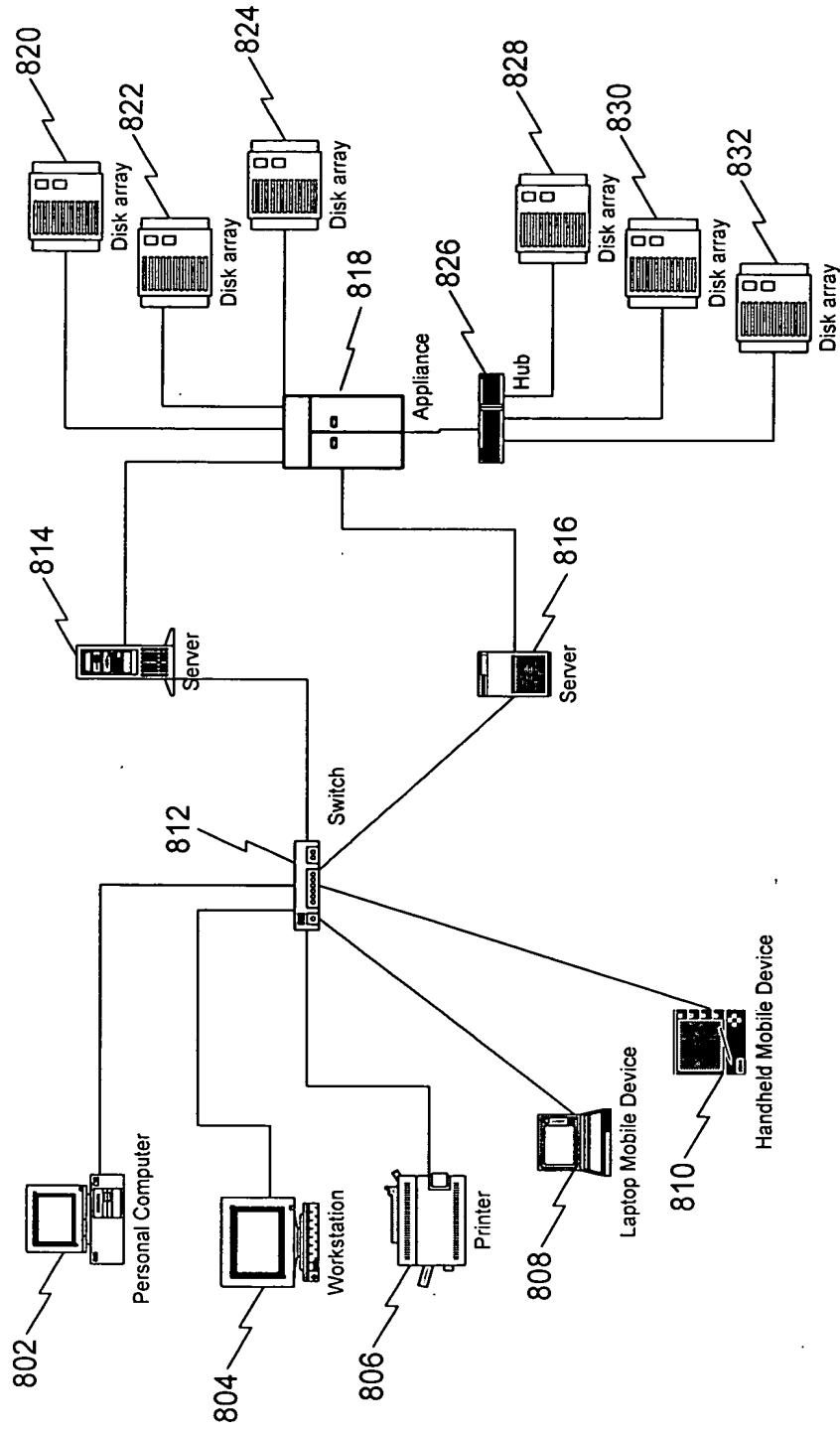


FIG. 8

0003-21.vsd/8

WWW (WEB)

903

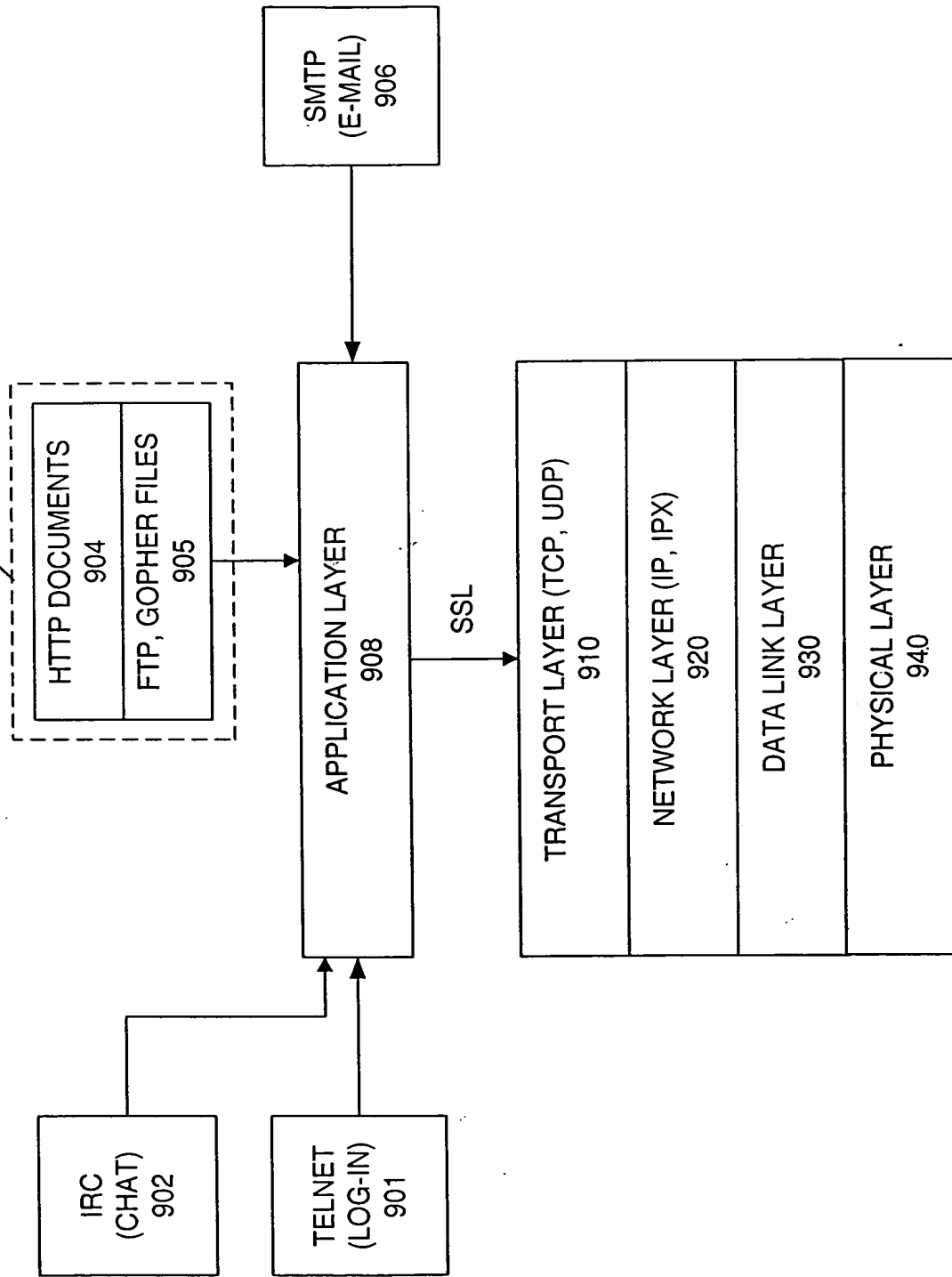


FIG. 9

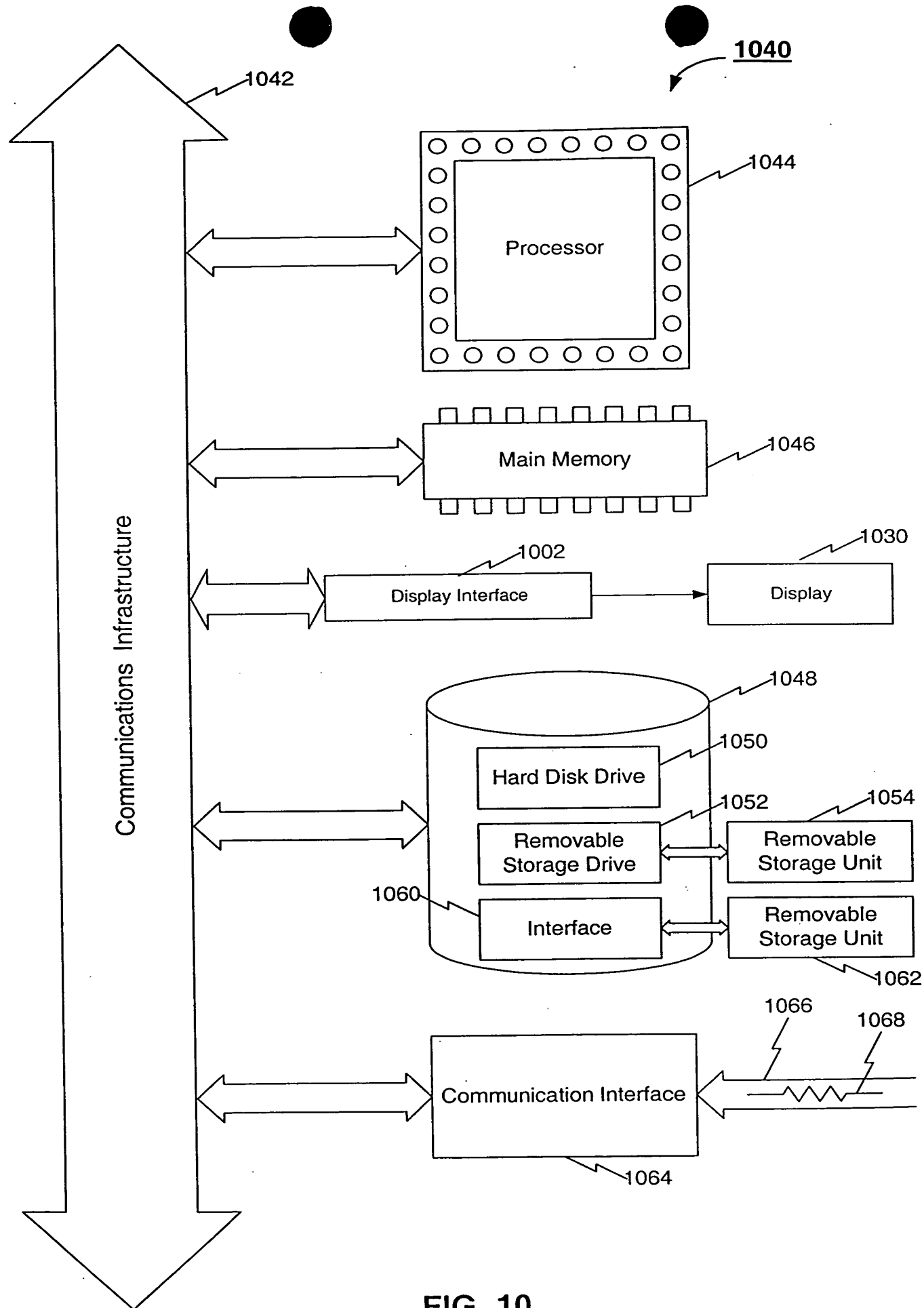


FIG. 10

0003-21 vsd/10

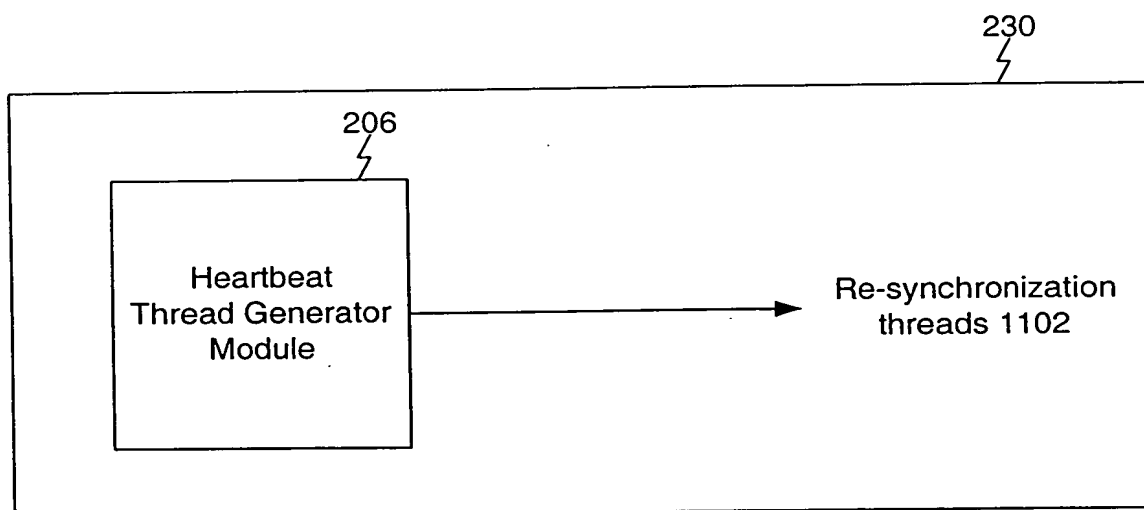


FIG. 11A

1100

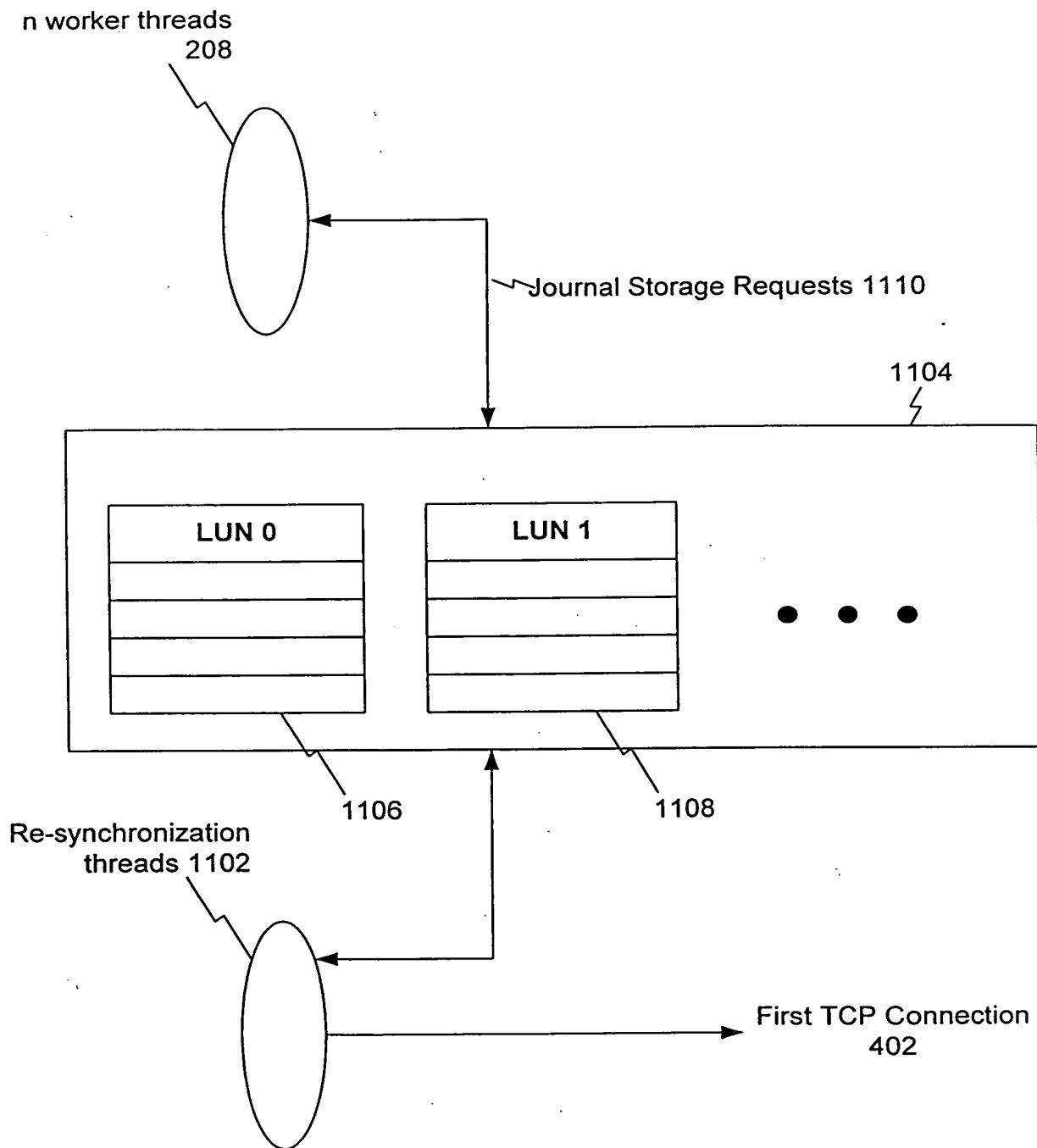


FIG. 11B

1200

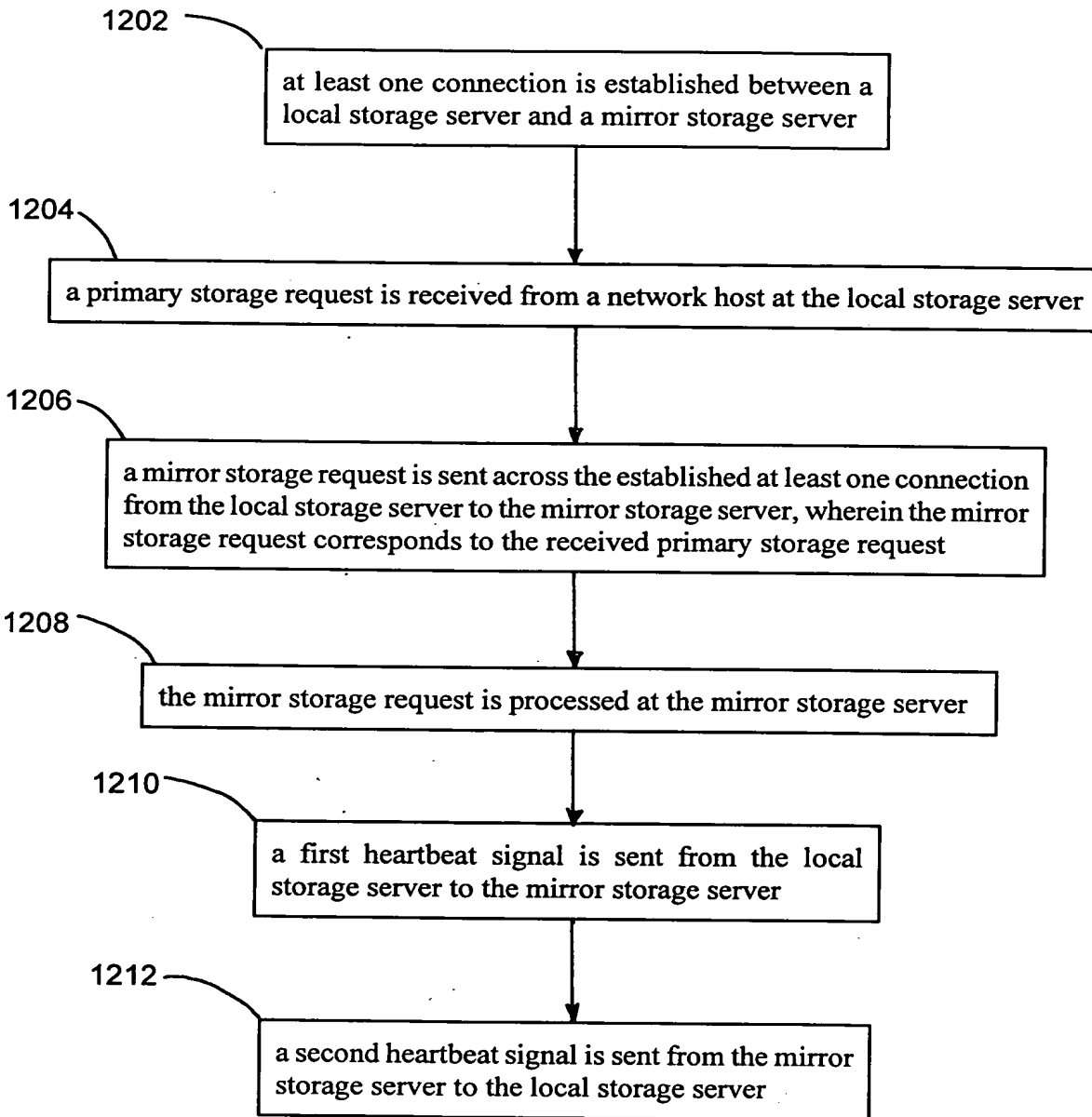


FIG. 12A

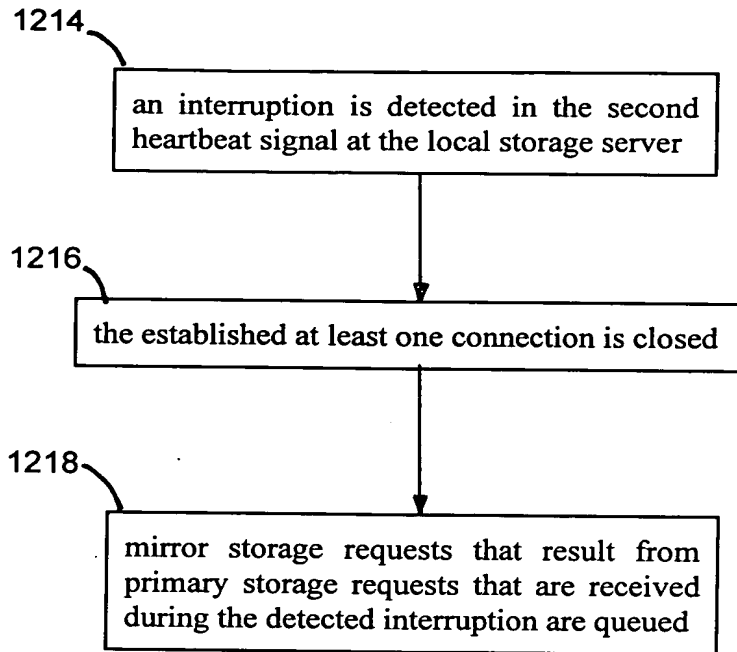


FIG. 12B

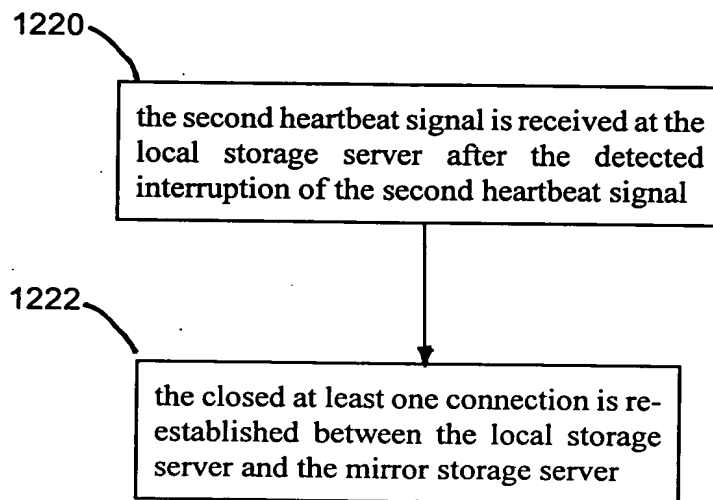


FIG. 12C

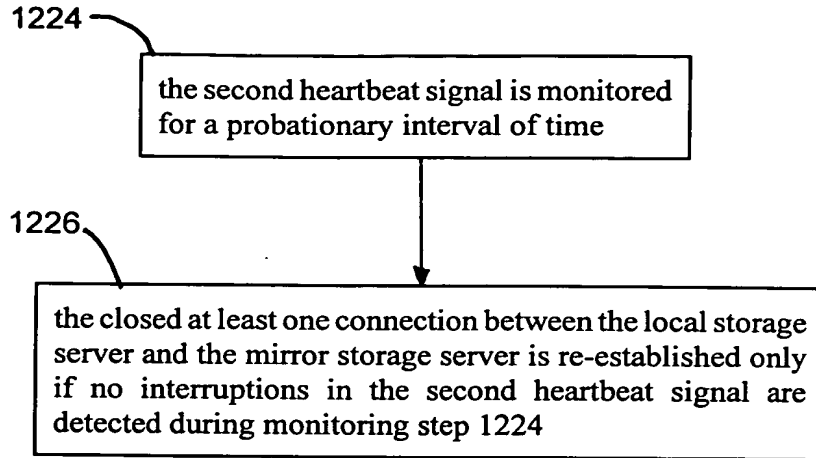


FIG. 12D

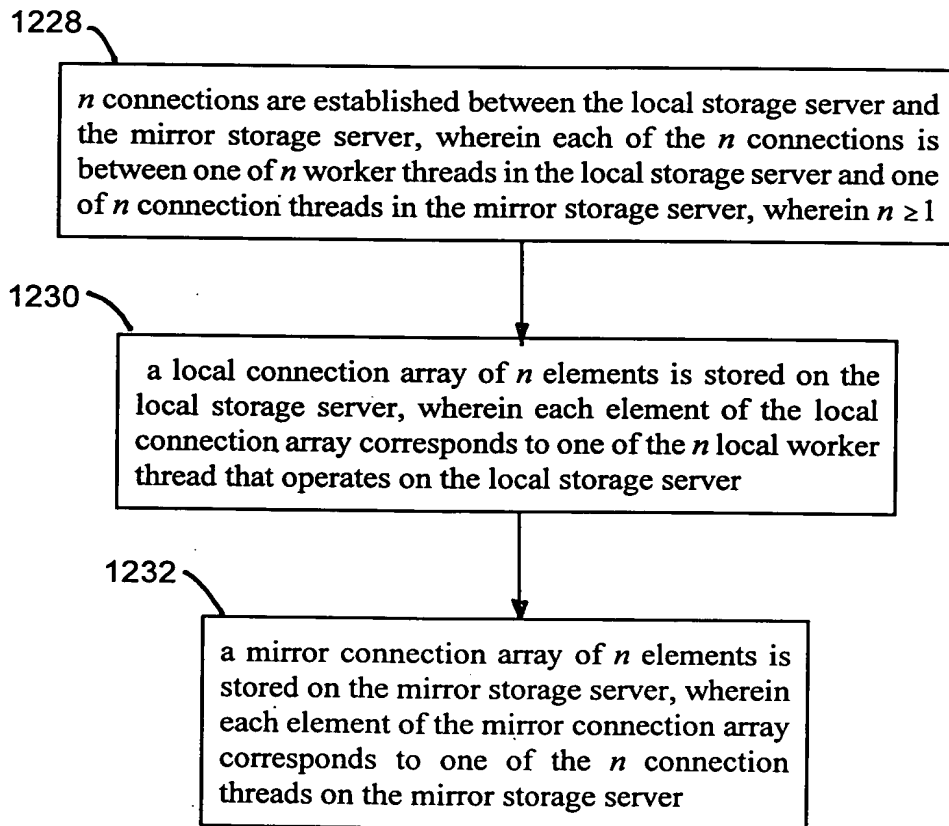


FIG. 12E

a mirror heartbeat sender thread and a mirror heartbeat receiver thread are established in the mirror storage server

a local heartbeat sender thread and a local heartbeat receiver thread are established in the local storage server

FIG. 12F

one of the n connection threads on the mirror storage server is timed out if a request on the corresponding one of the established n connections has not arrived in a third predetermined amount of time

the timed out connection thread closes and exits if the corresponding one of the n elements in the mirror connection array is indicated to be closed

FIG. 12G

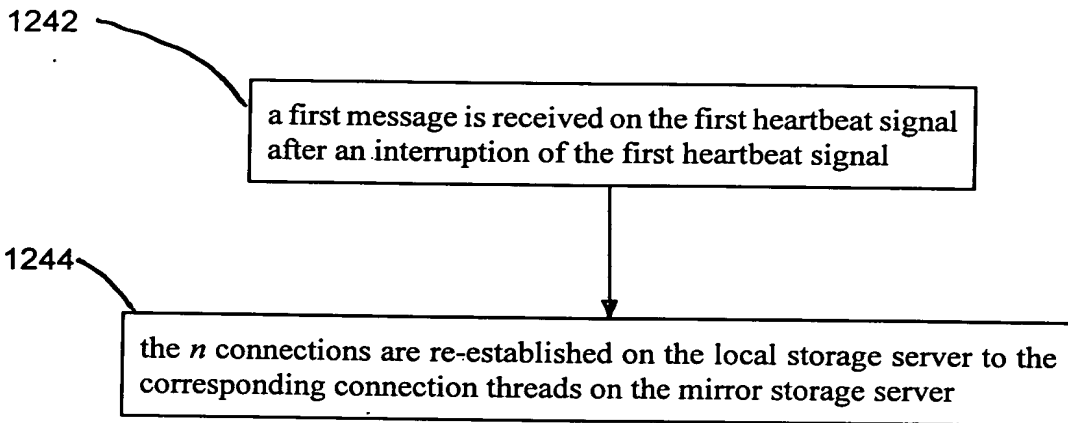


FIG. 12H

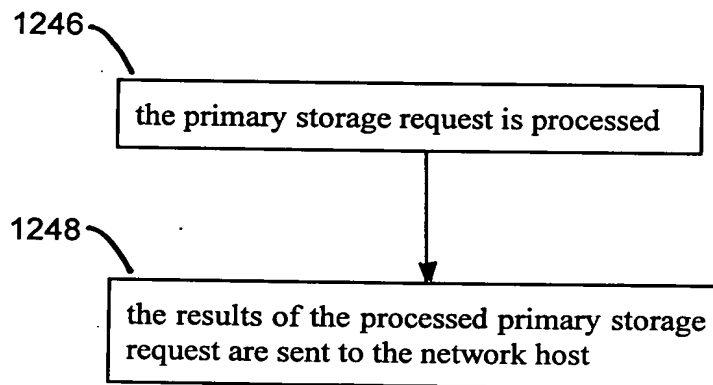


FIG. 12I

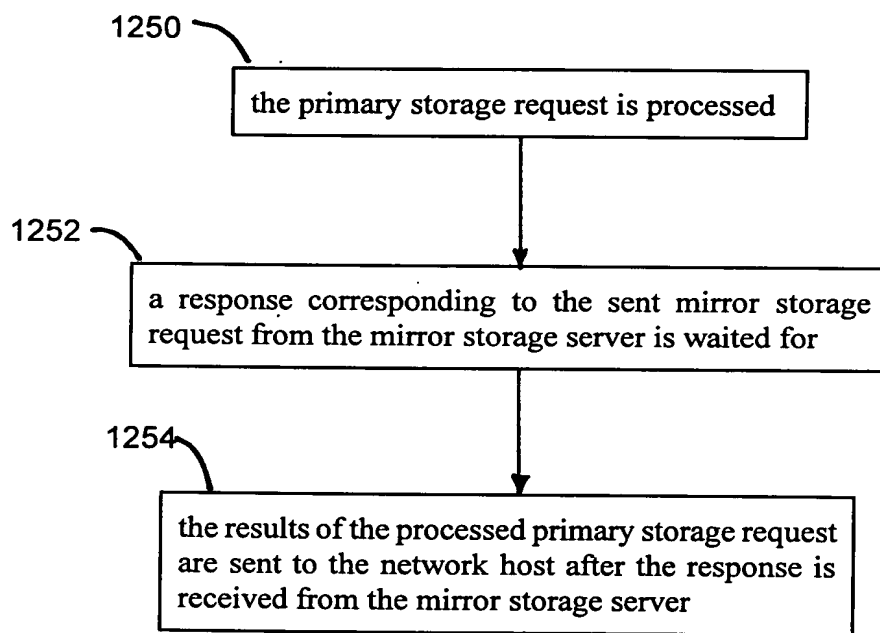


FIG. 12J

1300

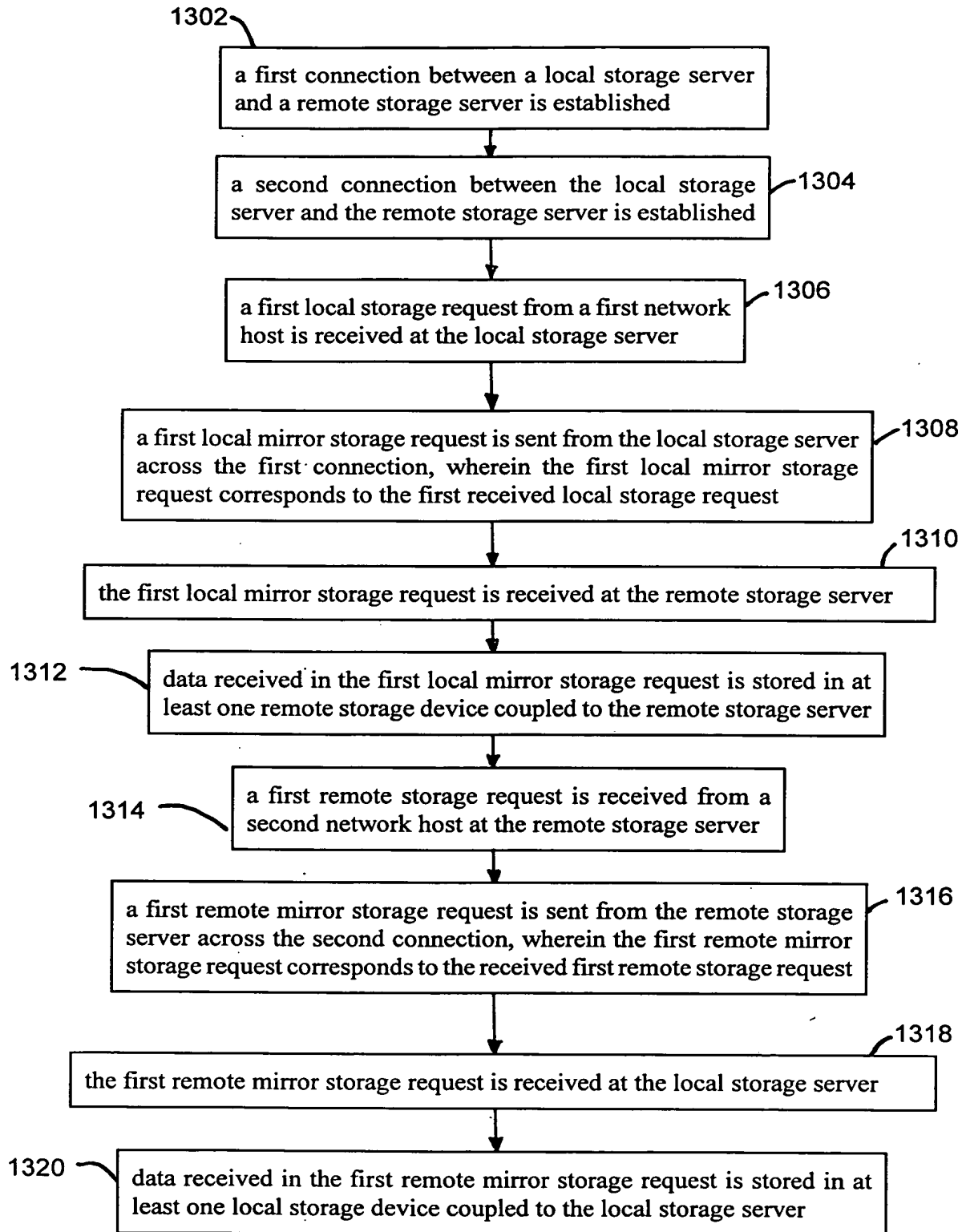


FIG. 13A

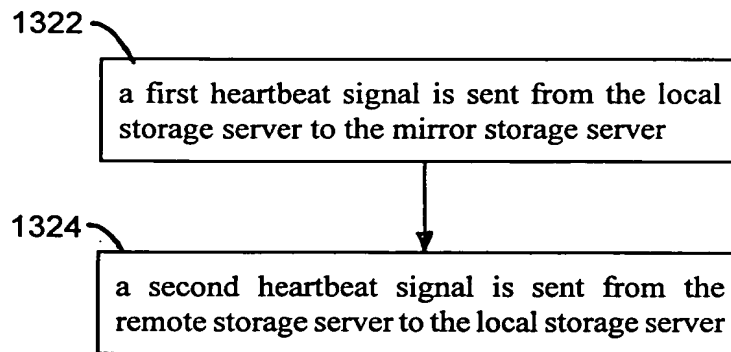


FIG. 13B

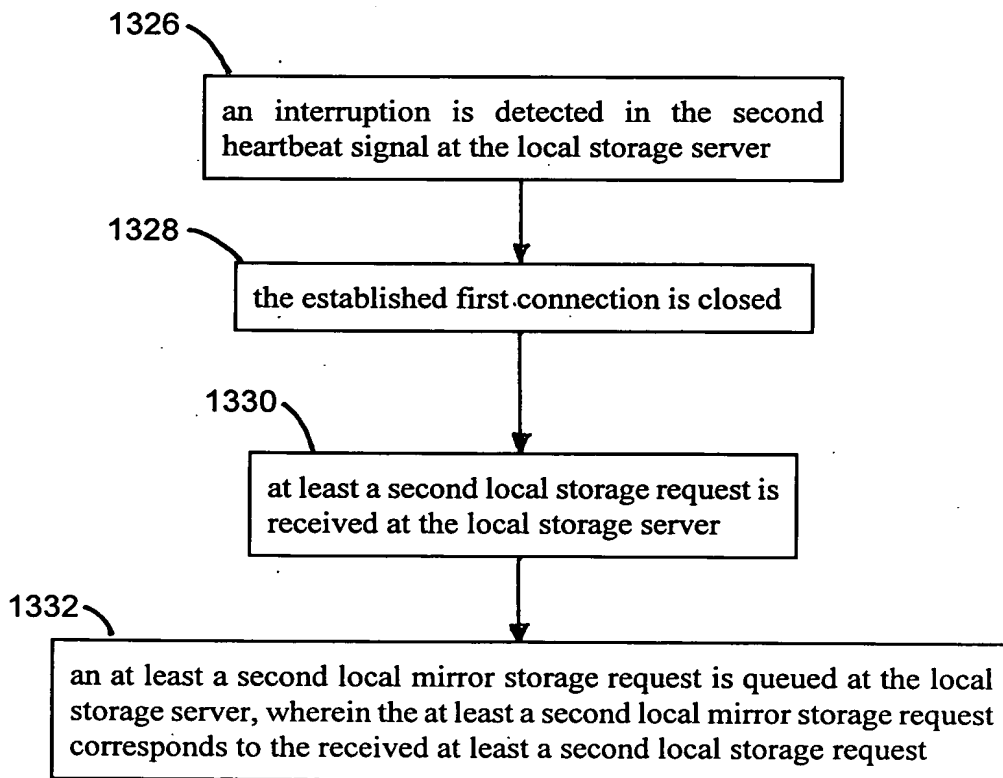


FIG. 13C

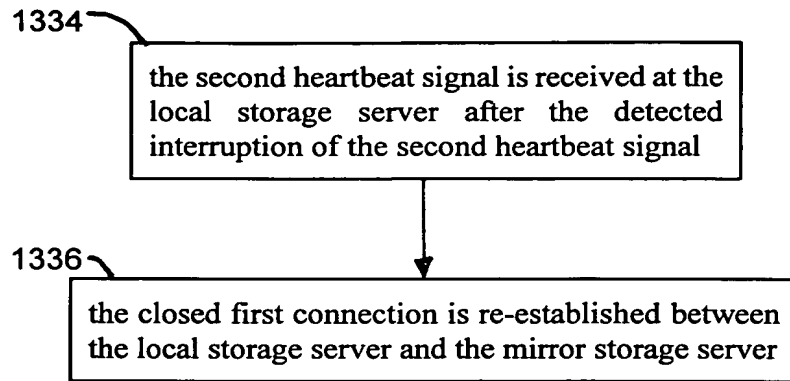


FIG. 13D

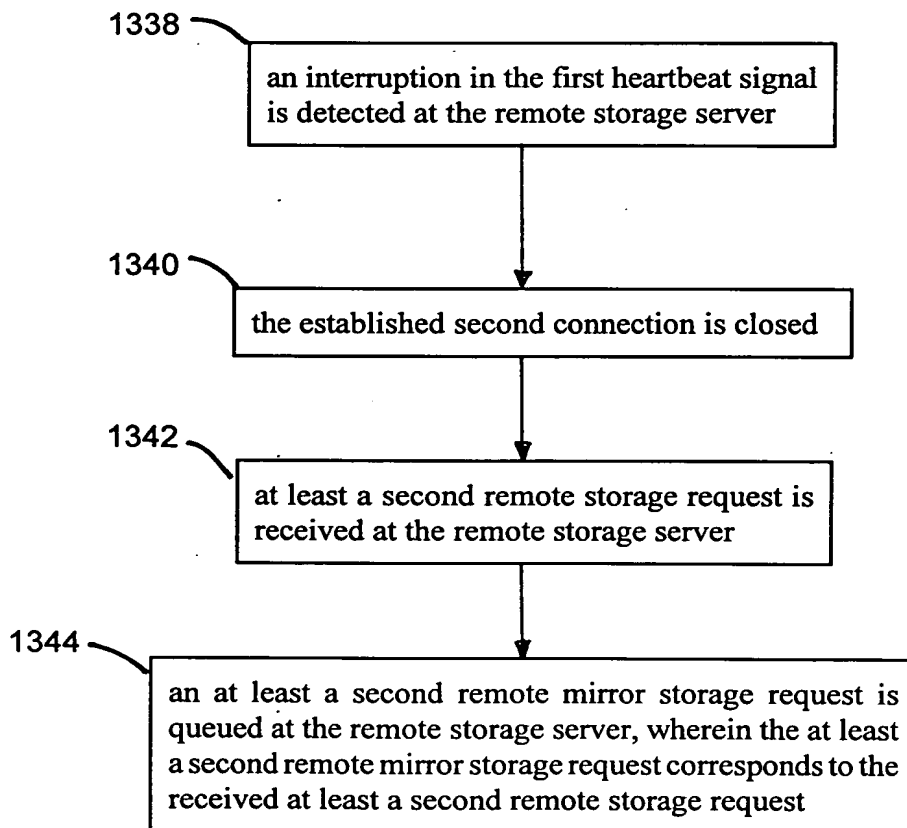


FIG. 13E

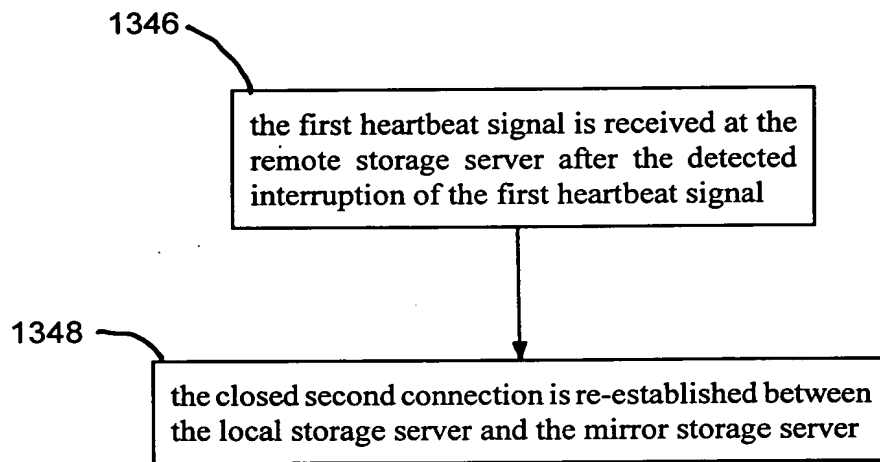


FIG. 13F